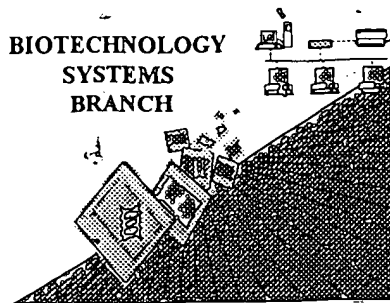


RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/964,824
Source: OPE
Date Processed by STIC: 10/18/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 091964,824

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as required by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 ✓ Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OICE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/964,824

DATE: 10/18/2001

TIME: 10:29:48

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Horrigan, Stephen
5 <120> TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using
Signature Gene

6 Sets

8 <130> FILE REFERENCE: 689290-73

C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/964,824

C--> 10 <141> CURRENT FILING DATE: 2001-09-27

10 <150> PRIOR APPLICATION NUMBER: US/60/236,033

11 <151> PRIOR FILING DATE: 2000-09-28

13 <150> PRIOR APPLICATION NUMBER: US/60/236,032

14 <151> PRIOR FILING DATE: 2000-09-28

16 <150> PRIOR APPLICATION NUMBER: US/60/236,028

17 <151> PRIOR FILING DATE: 2000-09-28

19 <160> NUMBER OF SEQ ID NOS: 583

21 <170> SOFTWARE: PatentIn version 3.0

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 521

25 <212> TYPE: DNA

26 <213> ORGANISM: Homo sapiens

28 <220> FEATURE:

29 <221> NAME/KEY: misc_feature

30 <223> OTHER INFORMATION: n=a,t,g or c

33 <400> SEQUENCE: 1

34 gtaatatgga attagaaaca atttggcttt ttagagctga aactagaaac aacacatcca 60

36 ggaacagtag acttctattg tcttcaatcc ctaatgtcct agtgagtatg taccctatgg 120

38 agaaggcaga aatgacgtgg accaggactc cttacatgga gagtgtttta aaggcagttt 180

40 ttaaaaagcc cattttgtga aagaaaccag aaggctcgta attgctgtct gcactgtggt 240

W--> 42 ttctcctggg ggttggggag gggagtggat taaataaaaa gtttagaagg ccatagnata 300

44 aatatcgaaa tagtatgaat tttaatatat acttttaaag gggttaggca atgatgaaaa 360

46 gatatgactg ctttctcttc atttctcatt aaattaaaaat tcccacaaaa gtgcatggca 420

48 tctttttgaa aactgtctaa ttttaaagtt tggaaggtt tatcttcata gccacaatct 480

W--> 50 ttgcnaaagc cttggtaccg gnaacaaggc tccagtctgc c 521

53 <210> SEQ ID NO: 2

54 <211> LENGTH: 481

55 <212> TYPE: DNA

56 <213> ORGANISM: Homo sapiens

58 <400> SEQUENCE: 2

59 ataaatgggt tatttttaac ataagtaaat ttacaaatca aatgaaaaat gaaaaataca 60

61 aaagttcatg aatgaaataa aaaagacact ctcaaaatat taaaacctat ggaaagaaaa 120

63 taagtaatta atgaatgatg tttttgtttc caaatacaat gaagtgtttt tttattagag 180

65 tccttgggaa tcacttaagt tacaatacag aagagaatta aataaatcgt atatgatttt 240

67 gtaattagac actctatata tcacagttct ttgttaacct gggcatggaa cgtccctata 300

69 gcatatattt aaaaccatta atttttttta aaaaaatttg agacatggtt tgttcttggt 360

71 ctctaaatta tgtttcccca tttcccttga atgttctcta ttggccatct tctggaacat 420

73 taaaaaaaaa tcttgaaaca aattctcttg caatgatacg tatcacataa acttgatatg 480

75 c 481

78 <210> SEQ ID NO: 3

79 <211> LENGTH: 357

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

Errors on pp. 1-4, and ↑.

→ Must give location of N.
See error summary sheet
Item 9

RAW SEQUENCE LISTING

DATE: 10/18/2001

PATENT APPLICATION: US/09/964,824

TIME: 10:29:48

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

```

80 <212> TYPE: DNA
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 3
84 gagcgggtgga gggcggtcact ggggtttcggc gtctggcaag cgattcagct gtctgctccc      60
86 tagcagccgg ccttcgggtc gggcggtcttc cccggctact gccgcttcag ttcttcgggt      120
88 gtggccacga gtcgggttgc acttctgtga tccatcctca tcttctaaag atgcacctcg      180
90 acttatctcc acacttgac actgaagaat gcaacgtctt gattaacttg cttaaggaat      240
92 gtcacaaaaa tcacaacatt ctgaaatttt ttgggtattg taatgatgtt gatcgggggt      300
94 ggagagaatg cctctagagt gatgtacata gagaacagga gcccagagcag ggggcat      357
97 <210> SEQ ID NO: 4
98 <211> LENGTH: 1086
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
103 cgcagccgcc cgcgcgcgc ctcagcgccc ggccccggga tgacggcgcc ccaggccgcg      60
105 ggtgaggagg cgccaccagg cgtgcgggtcc gtcaagggtg tcttggtggg cgacggcgcc      120
107 tgcgggaaga cgtcgtgct gatggtcttc gccgatgggg ccttccccga gagctacacc      180
109 cccacggtgt ttgagcggta catggtcaac ctgcaagtga aaggcaaacc tgtgcacctc      240
111 cacatctggg acacagcagg gcaagatgac tatgaccgcc tgcggccctt gttctaccct      300
113 gacgccagcg tctgtgctt ttgcttcgat gtcaccagcc cgaacagctt tgacaacatc      360
115 tttaacgggt ggtaccaga agtgaatcat ttctgcaaga aggtaccat catcgtcgtg      420
117 ggctgcaaga ctgacctgcg caaggacaaa tcactggtga acaagctccg aagaaacgga      480
119 ttggagcctg tgacctacca caggggccag gagatggcga ggtccgtggg cgcggtggcc      540
121 tacctcgagt gctcggctcg gctccatgac aacgtccacg ccgtcttcca ggaggccgcc      600
123 gaggtggccc tcagcagccg cggctcgcaac ttctggcgcc ggattaccca gggcttttgc      660
125 gtggtgacct gagcggctcg gggcgctcca gcgacgcggg aaggggcagg gcgctgacct      720
127 gctgctgagc tggctgggct ggaccgggtc cctaggtgtg gaccgccgaa ctccactgca      780
129 acagacgggc gccaccaaag ccaggccctg aggcctggga gtcttgact gagaaagggg      840
131 gttcctgggc ccacctgtc tgtgtagggc tcgtcctgcg gtgcccgaga atcactcgct      900
133 aaccctatg cccggtcccg gaccgacatc ctggagccgc ctgtgcagcc tgatgcccc      960
135 tcgtggtgcg tcccagggtg gcacctgcca ggacctaatg ttcttaggtc cctctggcca      1020
137 gaaccacac ccggccctt cccacctgtc atactggtaa ctgtaacaag aaaaacgaca      1080
139 tcactt
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 486
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <223> OTHER INFORMATION: n=a,t,g or c
152 <400> SEQUENCE: 5
153 tagcaccatg atctcgcgc tggagctgtg tgaggagatc gtggtctatg ggatggtcag      60
W--> 155 cgacantanc tgcagggaga agagccaccc ctcagtgcct taccactact ttgagaaggg      120
157 ccggtatgat gagtgtcaga tgtacctggc acacgagcag gcgccccgaa gcgccaccgc      180
159 ttcactactg agaaggcggc cttctccgcg tgggccaaaga agaggcccat cgtgttcgcc      240
161 catccgtcct ggaggactga gtagcttcgg tcgtcctgcc agccgccatg ccgttgcgag      300
163 gcctccggga tgtcccatcc caagccatca cactccaaa aaacatttaa tttatgggat      360
W--> 165 cctgcctcct gccacgtgct ggggtggganc ttaagggttc tccccaccc attgtggggc      420
167 acatttggag ccattttcag gcttccattc cctgagtaat tcatgggcat tttgggggtt      480

```

Some error

RAW SEQUENCE LISTING

DATE: 10/18/2001

PATENT APPLICATION: US/09/964,824

TIME: 10:29:48

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

```

W--> 169 cancca 486
172 <210> SEQ ID NO: 6
173 <211> LENGTH: 1515
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 6
178 tttttttttt ttttcatcag gtcagagcca aaggaaagct tgaaaaatga agacattagc 60
180 aggacttggt ctgggacttg tcatcttgga tgctgctgtg actgccccaa ctctagagtc 120
182 catcaactat gactcagaaa cctatgatgc cacccttagaa gacctggata atttgtacaa 180
184 ctatgaaaac atacctgttg ataaagtga gattgaaata gccacagtaa tgccttcagg 240
186 gaacagagag ctctcactc cccccaca gcctgagaag gccaggaag aggaagagga 300
188 ggaggaatct actcccaggc tgattgatgg ctcttctccc caggagcctg aattcacagg 360
190 ggttctgggg ccacacacaa atgaagactt tccaacctgt ctttggtgta cttgtataag 420
192 taccaccgtg tactgtgatg accatgaact tgatgetatt cctccgctgc caaagaacac 480
194 cgcttatttc tattcccgtt ttaacagaat taaaaagatc aacaaaaatg actttgcaag 540
196 cctaagtgat ttaaaaagga ttgatctgac atcaaattta atatctgaga ttgatgaaga 600
198 tgcattccga aaactgcctc aacttcgaga gcttgctctg cgtgacaaca aaataaggca 660
200 gctcccagaa ttgccaaaca cttcgacatt tattgatatt agcaacaata gacttggaag 720
202 gaaagggata aagcaagaag catttaaaga catgtatgat ctccatcatc tgtacctcac 780
204 tgataacaac ttggaccaca tccctctgcc actcccagaa aatctacgag cccttcacct 840
206 ccagaataac aacattctgg aaatgcacga agatacgttc tgcaatggta aaaatttgac 900
208 ttatatctgt aaggcactag aggacattcg attggatgga aaccctatta atctcagcaa 960
210 aactccacaa gcatacatgt gtctacctcg tctgcctgtt gggagccttg tctaatttca 1020
212 gataatggtt agcattacga tggctactat aaataaacca ttcttactgc tctcttccaa 1080
214 aacaaaactc agcatgatac tttgagattg tgttctgaga gatgatatga ctacataaaa 1140
216 tacaattaaa aatgtttataa tataatgaaa atgtagtaat ttaagaaaac accagatgag 1200
218 ttaggaataa acctataaca tttaaaaaa gagcaaaact aagtgataga aaatatttca 1260
220 cacatgttct tatagatcat gtatcacttg caagtttttag gagttcatat cctatatcat 1320
222 ttcaaattaa gtacataata aagtaaaatt ttgaaatgaa cacttttaggt atttttgcc 1380
224 agatttagat gtttttaatt aaacttttct cttccttttt ttttactaa ggcattgtta 1440
226 ttcccctaatt ccattaaaga gcatgaaaaa aagaataaat gtatttgaaa aaaaaaaaaa 1500
228 aaaaaaaaaa aaaaa 1515
231 <210> SEQ ID NO: 7
232 <211> LENGTH: 480
233 <212> TYPE: DNA
234 <213> ORGANISM: Homo sapiens
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <223> OTHER INFORMATION: n=a,t,g or c
241 <400> SEQUENCE: 7
242 gggaagttta ctgggccatc acagactttt gttctagtga ttgtatgtat taggagtc 60
244 agcatgccct acggagatct ggattcttat acactaagat gtgtcttaag aatcacagt 120
246 cgtgcttcat ccttttattg aagaacagaa aattatgact actctacaag gtggataata 180
248 ttttggtacc tgtggctggc cacagccctg ttcctcaaag ctgaattgat agatttctct 240
250 ttgacttcca agacctagca gttataaggc accttgaaat aaattgtttg tgctggaaa 300
W--> 252 tgcagggagg gcaatagctt tgtaaatgg nttacatttt tctccttgaa tttttctagg 360
254 gtctagtgc ttccgaatca tttaatggca ttgtcggata tctttttaca tttcaattgc 420
256 aatccatgaa attacattta gaagattctt agtacttaac ggtagtcttc ccatgaattt 480
259 <210> SEQ ID NO: 8

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/964,824

DATE: 10/18/2001

TIME: 10:29:48

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

```

260 <211> LENGTH: 416
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <223> OTHER_INFORMATION: n=a,t,g or c
269 <400> SEQUENCE: 8
W--> 270 atttcagang aagttttatta agaggtttta ggctttaagc atatgtgaaa agcaaaaatt      60
272 acatttttaa gtatataatt tgcattttcc accttctcaa tgccaatgaa atattctagg      120
274 agactctata agataaccaa ttgattttct actactccca aatttttaact ttgtaattta      180
276 aagaggaata ggcaaataga gctgctgtgg ttctggttct ccctgcagga tgaagggggc      240
278 ctgcaaaatg tctcctactt ccattctagg tcattcagca aggtgccttc ctctggatgc      300
280 actgtctgta tacttttgcc atgttgcatc acataatgga ttctggccca cttacacca      360
W--> 282 ttttgactgt cagtaaaaga atggtatggg ggcccatttc ttcntttatt aatagc      416
285 <210> SEQ ID NO: 9
286 <211> LENGTH: 371
287 <212> TYPE: DNA
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 9
291 ttgacacgt gaagggttat ttatggttat gatgaccctg tcttgcaacg agggactggc      60
293 agccactact gaggaggagg gtcccatctc tctcctgtcg gctttcaccc aggtcacagc      120
295 cagacgtggg gcaaagggtg tccctgtcct acccagccat tcttgggcct gccgcctagg      180
297 ggctcacagg gcccaggagt cccagctca caggccaggg catcaggcca ggcgcgctcg      240
299 gtgcacaccg cacctgtgga ggacctgggt acactcagga gaccaagagc actggcgggt      300
301 caggatggtt ggcgttcagc tctacggggg tggggagaag tctgtagccg agagcccagc      360
303 cccctcctgc c
306 <210> SEQ ID NO: 10
307 <211> LENGTH: 419
308 <212> TYPE: DNA
309 <213> ORGANISM: Homo sapiens
311 <400> SEQUENCE: 10
312 aagtattctg tccctttaat agctttgttt taggggtaac tcccctcgcc ttgtggggag      60
314 gcttaggacg ggcgggtgca atcctcgaag gggagtctca gcgaccatgg gggacaccat      120
316 ccacatgcag gcggtagtgt gggcctcgcc agcgcctctc tggggtgccg ggggtccctg      180
318 ttgcccctca gtgccctgtg gcgcaagggc tgcaggggccc ggctgttacc gctgaggctc      240
320 tggagaatct gagatggagg attctggctc aggagtctca gggagtgcac ctgaaggagg      300
322 gtgatattga gggcccgggt aatgaggatc caggtgacag tctcggagca gggcgggggt      360
324 ctgagagagc cctgataggg gatgaaaccg aagattcagg gaacaggagc tccaggctc      419
327 <210> SEQ ID NO: 11
328 <211> LENGTH: 270
329 <212> TYPE: DNA
330 <213> ORGANISM: Homo sapiens
332 <400> SEQUENCE: 11
333 tacagggcaa cccaccctta ggcaaagcct cggcctctcc cacctcccc acgtcatcac      60
335 tgagctgcgg cagcgagagg tgccagccaa ttccgaggag aattgggtcc aatagaaata      120
337 ttacaaaata accagggggc aggtgtgccg tgatcgggaa tcgtgaggga actgagtacc      180
339 agggggccct tggtcccaa cagccccagg ccttggggcg gacttggcac aggacccaag      240
341 agggaactgg ggcattgggg ggccggcaga
344 <210> SEQ ID NO: 12

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/964,824

DATE: 10/18/2001

TIME: 10:29:48

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

```

345 <211> LENGTH: 255
346 <212> TYPE: DNA
347 <213> ORGANISM: Homo sapiens
349 <400> SEQUENCE: 12
350 tttagtttag caccatttat taagtgatct cagctgttgt tgtagctgct gcgtgtcacc      60
352 gtgttcttaa aacataaaat gctcttccga ttctcttgtt ccaggacaga aggatcttcc      120
354 aggtagcacg ccaacagaac aagagactcc gatgacgccg gcttcaatga tggtgccatc      180
356 cagagagggg gaggggtcatg gcacattcaa ccgcggcttc cagaggtttt gaaaaaggag      240
358 cctttggggg ccag
361 <210> SEQ ID NO: 13
362 <211> LENGTH: 358
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
366 <400> SEQUENCE: 13
367 caggttgaat aaaatttaat tgataatgct ttatattaat attctctttt gcattttaa      60
369 attatatgaa tactacaagc atccaacaag aaataacctt cataaattag cataatttat      120
371 agcaggaaac ccaataaaac taaacttggc tgcctaaaat aatttgtcta aagggggata      180
373 tgctctttgt aagtatcatg ctgataaaac cataaaaatt cttttagagg aatgaggatt      240
375 aaaatgaaat ttctttatga cacggaaaaa aataataatt tgtctaaaag tgtaaaattt      300
377 taaaagcaaa cattatacac ataaccagca caattatttc catcttaaaa cattgggt      358
380 <210> SEQ ID NO: 14
381 <211> LENGTH: 266
382 <212> TYPE: DNA
383 <213> ORGANISM: Homo sapiens
385 <400> SEQUENCE: 14
386 atggctaata gtgacacact ttattaattt aaaaacacgc ccttcccaca tagtgcggtga      60
388 ggcattgtga cattttccta gaaggacatg aatagtgatg tggaggtagc gtggagggtca      120
390 ggcatttaca gggctattcg aggaggaaca gattcaagct ttcggacgat cagtgttttg      180
392 taaatagcag catcatcaga tctaagacaa cattggacct ggcagggcct tttctttggg      240
394 tggcattaat tactccagat tcagac
397 <210> SEQ ID NO: 15
398 <211> LENGTH: 287
399 <212> TYPE: DNA
400 <213> ORGANISM: Homo sapiens
402 <400> SEQUENCE: 15
403 aacgtaaaca caaagtctca tttatttttg tctgaagcac acaggagctc actcagcaca      60
405 ataacagtaa gcgaatcata caaatattga gaaaaaatgt tcctatgaat acatacatgt      120
407 atattcttaa gagtagcgat caggagttaa acaacaaatg taaagtgggt ttctctaaag      180
409 aatgctttct gacaggcttt tgggttgga atggacaggt aaatcactgt cacataacag      240
411 gtaagctaag aataacttct gttacccaag tcatttgaac cctgtgg      287
414 <210> SEQ ID NO: 16
415 <211> LENGTH: 291
416 <212> TYPE: DNA
417 <213> ORGANISM: Homo sapiens
419 <220> FEATURE:
420 <221> NAME/KEY: misc_feature
421 <223> OTHER INFORMATION: n=a,t,g or c
424 <400> SEQUENCE: 16
425 tttttttttt ttcttggtgg cattcccagg ttttaattaca aaccgatccg aacatcccat      60

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/964,824

DATE: 10/18/2001

TIME: 10:29:49

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:50 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:155 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:165 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:169 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:252 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:270 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:282 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:8
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:427 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:433 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:447 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:459 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:526 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:532 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:556 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:558 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:588 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:616 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:674 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:680 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:706 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:708 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28

VERIFICATION SUMMARY

DATE: 10/18/2001

PATENT APPLICATION: US/09/964,824

TIME: 10:29:49

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

L:1184 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1186 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1188 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:1188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1190 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:51
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1204 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:1204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1214 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:1214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1216 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:52
L:1216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1259 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54
L:1259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1261 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:54
L:1261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1279 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:55
L:1279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1297 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:56
L:1297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1339 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:57
L:1339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1341 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:57
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1394 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:59
L:1394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1465 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:63
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1469 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:63
L:1469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1485 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:64
L:1485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1489 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:64
L:1489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1493 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:64
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1509 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1513 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:1513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1515 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1519 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:65
L:1519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1545 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:66
L:1545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:1584 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:68

VERIFICATION SUMMARY

DATE: 10/18/2001

PATENT APPLICATION: US/09/964,824

TIME: 10:29:49

Input Set : N:\EBONY'S\ES.txt

Output Set: N:\CRF3\10182001\I964824.raw

L:1584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1608 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:69
L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1624 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:70
L:1624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70